

Subject: Cooling Meeting Minutes January 22nd

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Hi All,

Sorry about the delay. I just realized today that I hadn't sent out these minutes (where *is* my mind?):

1. Fittings: Delivery should be monday, january 28. Cu washers (for indium) did not get shipped out by main shop when the EDM machine went down, so their lead time is indefinite. Fred has indium foil that we will use in the meantime. Fred will also have the fitting test weld extensions made as soon as I get him the drawing (now - available at http://www-eng.lbl.gov/~hartman/pixel/cooling/21F5581_FITTING_TEST_WELD_EXTENSION.pdf). Pat will attempt to vac deposit copper on foil test pieces by next week. Tom will also look for plating expertise at the lab in plating indium.
2. Cleaning options: We talked about the possibility of using soap (like the "micro-clean" stuff) on tubes in an ultrasonic bath. Evidently the plating shop has a transducer that we could simply submerge in a tank we could buy. I will find out more about this when I speak to the cleaning people about different options for cleaning the tubing and capillaries.
3. Capillaries: I will outline the capillary testing sequence that we want to go through when some more test tubing arrives. I don't have a date for this yet, but will update you next week. If we haven't received 1/16" swagelocks yet, we should make sure we get some, as the 1/16" tubing will be our baseline until we do some pressure drop testing eventually in Europe (Tom W).
4. Laer welding: I will send the stove fittings, some 4 mm tubes and fittings, and some capillaries and fittings to EB as soon as all of our materials arrive. Hopefully this will be within the week.

Thanks all, and see you next tuesday. Have (had) a great weekend,

Neal